BACHELOR OF MUSIC IN
MUSIC PRODUCING & RECORDING

The role of the producer varies from project to project, ranging from "lending a trusted pair of additional ears," to that of a "hands-on factotum," involved in every single aspect of a musical work. The range of skills to be acquired is therefore necessarily wide. The Music Producing and Recording program at LACM is designed to provide students a comprehensive education that will accomplish the following learning outcomes for its graduates.

PROGRAM LEARNING OUTCOMES

Program Learning Outcomes reflect the mission of the academic programs of the institution and address the acquisition of performance proficiency, specific professional knowledge and academic merit.

Bachelor of Music

BM PLO 1: Performance Proficiency
Students will be able to demonstrate expertise in performance proficiency on their major instrument.

BM PLO 2: Professional Knowledge
Students will be able to demonstrate broad professional knowledge and skills in the language, technology, creative activity, and business practice of their concentrated field of study.

BM PLO 3: Critical Thinking
Students will be able to demonstrate the ability to critically analyze and solve problems that are characteristic in the study of music.

BM PLO 4: Language of Music Fluency
Students will be able to demonstrate a thorough knowledge of the elements of musical structure, and show proficiency in music theory and basic composition.

BM PLO 5: Historical Context
Students will be able to demonstrate a thorough academic knowledge in music history – its composers, literature, and stylistic connections, from early music to contemporary works,

GENERAL EDUCATION OUTCOMES

GE 1: Critical Thinking
Students will be able to demonstrate the ability to analyze and interpret evidence, statements and questions, identify relevant arguments, analyze and evaluate alternate points of view and fully explain assumptions and reasons.

GE 2: Quantitative Skills
Students will be able to demonstrate the ability to solve problems by applying college-level mathematical reasoning to analyze and explain real world issues and to interpret and construct graphs, charts, and tables.

GE 3: Information Literacy
Students will be able to demonstrate the ability to use appropriate technology to identify, locate, evaluate and present information for personal, educational and workplace goals.

GE 4: Natural Sciences
Students will be able to demonstrate the ability to analyze and explain natural phenomena by applying the foundational principles of the biological and physical sciences.

GE 5: Social Sciences and Humanities
Students will be able to demonstrate the ability to integrate learned skills and knowledge derived from the study of social sciences, literature, philosophy and the arts.

GE 6: Diversity
Students will be able to demonstrate the ability to relate to, critically discuss—and thus be sensitive to—the diversity and universality in global history, culture, and society, as well as the diversity in and uniqueness of local communities.

GE 7: Oral Communication
Students will demonstrate the ability to construct oral presentations with clear organizational patterns, choose language that is compelling and appropriate, master delivery techniques with confidence and deliver a central message that is precisely stated and strongly supported.

GE 8: Written Communication
Students will be able to demonstrate the ability to write clearly, concisely and accurately and compellingly convey facts, ideas, and arguments in a variety of contexts and formats and for many audiences.

DEPARTMENT LEARNING OUTCOMES

Department Learning Outcomes reflect the mission and learning outcomes of the institution, the academic program and to the acquisition of skills that are specific to a concentrated field of study.

MPR DLO 1: Technical Proficiency
Students will be able to demonstrate technical expertise in recording studio techniques including proficiency in operating analog and digital equipment, proper microphone techniques, sound processing techniques, and computer software with an emphasis on Pro Tools™

and its sound processing plug-ins and employing these tools in the process of recording, editing recorded performances, mixing and final delivery.

MPR DLO 2: Producer Leadership Skills

Students will be able to demonstrate creative expertise in the production of music by conceiving recording projects from conception to completion, by practicing awareness of recording session etiquette, diversity and the roles of personnel, by making appropriate technical and artistic choices and by employing leadership skills that guide recording sessions toward positive results.

MPR DLO 3: Foundational Music

Students will be able to demonstrate knowledge and proficiency in music theory, contemporary music history, and conducting.

MPR DLO 4: Performance Proficiency

Students will be able to demonstrate basic performance proficiency in keyboard, drums, guitar and bass guitar in order to understand and communicate effectively with musicians in the recording studio.

MPR DLO 5: Proficiency in Arranging for Ensemble

Students will be able to demonstrate the ability to read musical scores, arrange and write parts for ensembles and guide rehearsals and performances.

MPR DLO 6: Professional Business Practices

Students will be able to demonstrate knowledge and competency in music industry business practices including marketing and promotion, budgeting and contracts, publishing, and entrepreneurship.

BACHELOR OF MUSIC - DEGREE PACING
189 Credits | 12 Quarters

QUARTER 1

CODE	COURSE	CREDITS
GE-100	English Composition	3
MUS-100	Theory/Ear Training 1	2
MUS-101	Keyboard Skills 1	1
PROD-115	Drums for Producers	1
PROD-1000	Pro Tools 101	3
PROD-113	Intro to Signal Processing	3
PROD-120	Production Styles & Genres	2
PROD-133	Sound and Signals	1
PROD-114	Drums Private Lesson	2
		Total Credits: 18

QUARTER 2

CODE	COURSE	CREDITS
GE-101	English Composition & Critical Thinking	3
MUS-102	Theory/Ear Training 2	2
MUS-103	Keyboard Skills 2	1
PROD-122	Strings for Producers 1 (Guitar)	1
PROD-1001	Pro Tools 110	3
PROD-107	MIDI Production 1	2
PROD-117	Microphone Technology & Technique	2
PROD-121	Producer's Survival Skills	2
PROD-126	Strings Private Lesson (Guitar)	2
		Total Credits: 18

QUARTER 3

CODE	COURSE	CREDITS
GE-200	Oral Communication	3
MUS-220	Theory/Ear Training 3	2
MUS-221	Keyboard Skills 3	1
PROD-132	Strings for Producers 2 (Bass)	1
PROD-118	MIDI Production 2	2
PROD-125	Engineering for Producers 1	3
PROD-116	Advanced Signal Processing	3
PROD-136	Strings Private Lesson (Bass)	2
		Total Credits: 17

QUARTER 4

CODE	COURSE	CREDITS
GE-111	Health & Wellness	3
MUS-290	Theory/Ear Training 4	2
MUS-291	Keyboard Skills 4	1
PROD-123	Vocals for Producers	1
PROD-240	Sibelius	1
PROD-314	Pro Tools 201	3
PROD-216	Engineering for Producers 2	3
PROD-217	Fundamentals of Synthesis	2
PROD-124	Vocal Private Lesson	2
		Total Credits: 18

QUARTER 5

CODE	COURSE	CREDITS
GE-405	Music Appreciation	3
MUS-302	Music History: Middle Ages to 19th Century	2
COMP-100	Songwriting 1	1.5
COMP-207	Music Business for Songwriters 1	2
PROD-315	Pro Tools 210	3
PROD-223	Law of Parts: Arranging for Producers	1
PROD-226	Producing Other People 1	3
PROD-220	Private Lesson 1	2
	Total Credits: 17.5	

QUARTER 6

CODE	COURSE	CREDITS
GE-303	Spanish	3
MUS-303	Music History: 19th Century - 20th Century Music	2
COMP-208	Business for Songwriters 2	2
PROD-119	Performance Editing	2
PROD-214	Introduction to DJ Techniques	1.5
PROD-227	Producing Other People 2	3
PROD-221	Private Lesson 2	2
	Total Credits: 15.5	

QUARTER 7

CODE	COURSE	CREDITS
GE-301	Music Cultures of the World	3
MUS-104	Arranging & Orchestration 1	2
COMP-301	Music Business for Songwriters 3	2
PROD-230	Apple Logic	3
PROD-228	Producing Other People 3	3
PROD-222	Private Lesson 3	2
	Total Credits: 15	

QUARTER 8

CODE	COURSE	CREDITS
GE-302	Philosophy	3
MUS-200	Arranging & Orchestration 2	2
COMP-302	Music Business for Songwriters 4	2
PROD-224	Fundamentals of Audio Mixing 1	3
PROD-306	Ableton Live	3
PROD-301	Private Lesson 4	2
	Total Credits: 15	

QUARTER 9

CODE	COURSE	CREDITS
GE-410	Music and Society	3
GE-305	Statistics	3
MUS-201	Arranging & Orchestration 3	2
PROD-218	History of Production 1	2
PROD-300	Fundamentals of Audio Mixing 2	3
PROD-302	Private Lesson 5	2
	Total Credits: 15	

QUARTER 10

CODE	COURSE	CREDITS
GE-306	Physics for Musicians	3
GE-410	Music and Society	3
PROD-219	History of Production 2	2
IND-207	Music Supervision	2
PROD-215	Drum Programming & Analysis	2
PROD-303	Private Lesson 6	2
PROD-305	Junior Project	1
	Total Credits: 15	

QUARTER 11

CODE	COURSE	CREDITS
GE-401	Sociology	3
GE-402	Political Science	3
MUS-416	Conducting	1
ELE-104	Internship Prep	1
PROD-106	Intro to Working with Picture	2
PROD-225	Music Production with Found Objects	1
PROD-304	Intro to Post Production	2
PROD-402	Private Lesson 7	2
	Total Credits: 15	

QUARTER 12

CODE	COURSE	CREDITS
GE-403	Psychology	3
GE-406	Physiology	3
PROD-412	Internship	4
PROD-403	Private Lesson 8	2
PROD-415	Senior Project (MPR Majors)	1
	Total Credits: 13	

Required Equipment & Technology
Music Producing & Recording

Computer
- Required minimum: MacBook Pro (iOS 10.14.6 or later)
  - *Estimated cost: $599.00 used, $1299.00 new*
- Required minimum: 1TB external storage
  - Estimated cost: *$45.00 (1TB), $170.00 (1TB ssd), $299.00 (2TB ssd)*

Software
- Required minimum: Sibelius
  - *Estimated cost: $9.99/month (education pricing)*
- Required minimum: Logic Pro X
  - *Estimated cost: $199.00 (education bundle, 5 months)*
- Required minimum: Pro Tools
  - *Estimated cost: $9.99/month (education pricing)*

USB Audio Interface
- Required minimum: Single iutput interface (Focusrite Scarlett solo)
  - *Estimated cost: $109.99*
- Double input interface (Focusrite Scarlett 2i2 or MOTU M2) *(optional)*
  - *Estimated cost: $159.99*

MIDI Keyboard
- Required minimum: 61 keys and sustain pedal (76 keys preferred)
  - *Estimated cost: $177.00 (61 keys), $269 (76 keys)*

Headphones
- Required minimum: Wired, over ear (AKG K240 or comparable)
  - *Estimated cost: $69.00 (AKG K240)*

Microphone
- Required minimum: Shure SM58 (or comparable)
  - *Estimated cost: $99.00*
- Required minimum: Mic Stand
  - *Estimated cost: $25.00*
- Required minimum: XLR Cable
  - *Estimated cost: $19.00+*
- Required minimum: Pop Filter
  - *Estimated cost: $13.00 - $35.00*

Other
- Required minimum: Printer
  - *Estimated cost: $44.00+*
- Required minimum: Thumb drive for back up (at least 32GB)
  - *Estimated cost: $5.00 (32GB) - $18.00 (128GB)*
- Required minimum: Staff paper, pen, pecil, eraser

Tech Requirements & Recommendations for Incoming MPR Students:

Student must own a personal license of Pro Tools software. Ownership will be verified.
1. If a student wishes to wait with the purchase of the software until officially enrolled at LACM—in order to benefit from the substantial price reduction afforded by Avid's Academic pricing—the purchase must be completed by the end of week 2. (Please note that Pro Tools first is NOT an acceptable version of Pro Tools, as its limitations are substantial.)

Since ownership of Pro Tools software is mandatory, it follows that students must own a computer.
1. We strongly recommend computers made by Apple. Mac Pro, iMac, and MacBook Pro are all acceptable and recommended solutions. A vast majority of professionals in the audio world use Apple computers with Pro Tools (as well as many other DAW solutions). (When needed, it will be a lot easier to get help from fellow students and/or professionals.) While Pro Tools will run successfully on PCs, there are too many variables to offer recommendations. All students should visit Avid.com, and ensure that their computer meets the minimum requirements to successfully operate Pro Tools.
2. Buy the best computer you can afford, even if it seems overkill today. This will go a long way in ensuring your system's ability to handle complex productions, and will also improve reliability. Furthermore, the computer will most likely remain within the minimums required by Avid for a longer period in the future. We recommend a minimum of 16 GB of RAM, and a 512 GB of internal storage (SSD drive) Laptop or desktop. Either is fine. Desktop performance, connectivity & expansion options are usually slightly better than those offered by laptop computers.
3. Since it is not advisable to keep Pro Tools sessions on a computer's (internal) startup drive, we strongly advise the purchase of the following:
   - 1x Portable 1GB external SSD drive. Use this to store all projects, and to transfer work to and from campus.
   - 1x 2GB (more—or multiple—is better) External Hard drive for backup of data. Additional drives recommended for long-term storage/archiving purposes.
   - If student owns large sample libraries, it is advisble to store those on a fast (SSD) dedicated, external drive.
   - All drives should feature USB 3 interfaces. Drives with Thunderbolt interface are OK (even desireable), but student must also acquire a Thunderbolt-to-USB adapter cable.

Ownership of a good pair of "closed back" headphones is mandatory. These are required for work in labs.
1. It is also strongly recommended that student acquire a good pair of open back headphones, for work at home, or away from others. (Sennheiser 580, 600, 650. etc., or Drop.com 58X Jubilee, or Sennheiser HD 6XX)

MINOR PROGRAMS

Students enrolled in LACM Bachelor of Music or Bachelor of Arts programs can choose to take a minor. All minors require an application for admission. Please refer to the descriptions of each individual minor for specific admissions requirements. It is important to apply as early as possible to the minor that you want to pursue, as admission to the minor allows access to required course offerings.

Students can begin their minor in Quarter 2 (if a winter quarter start is scheduled), or they can begin in Quarter 4 (Music Producing and Recording) or Quarter 5 (Songwriting or Music Business). The Academic Advising Office works with students to establish an academic plan, so the minor can be completed within 12 quarters and without overburdening the Bachelor's program pacing.

NOTE: There is no extra cost for pursuing a minor as long as the maximum full-time credits per quarter (20 credits) are not exceeded. If a student fails classes, takes time off, or otherwise modifies the academic plan, the student may need to take above 20 credits per quarter, or continue beyond 12 quarters in order to complete the minor. If a student exceeds the maximum of 20 full time credits in a quarter, the student will be charged for the additional credits on a per-credit basis (at a cost of $679/credit). Be aware that financial aid does not cover tuition costs above maximum full-time credits, so students on financial aid will be charged for credits that exceed 20 per quarter. The student may withdraw from the minor at any time without affecting progress on the ma

Minor in Music Producing & Recording

The Music Producing & Recording minor provides the basic tools for high quality audio recording needed in today's music industry. Areas of study include digital equipment and recording, microphone techniques, signal flow and sound processing, producer's skills in the studio and Pro Tools recording and editing techniques.

MUSIC PRODUCING & RECORDING MINOR

CODE	COURSE	CREDITS
PROD-113	Intro Signal Processing	3
PROD-133	Sound & Signals	1
PROD-117	Mic. Technology & Technique	2
PROD-1000	Pro Tools 101	3
PROD-1001	Pro Tools 110	3
PROD-116	Advanced Signal Processing	3
PROD-120	Production Styles & Genres	2
PROD-121	Producer's Survival Skills	2
PROD-125	Engineering for Producers 1	3
		Total Credits: 22

NOTE: The courses below are required for students in Songwriting or Composing for Visual Media programs. The courses replace credits from the minor that are already part of the programs' Bachelor curriculum.

PROD-216	Producing Other People 1	3	SW
PROD-119	Performance Editing	2	CVM
PROD-224	Fundamentals of Audio Mixing 1	3	CVM
PROD-225	Music Production with Found Objects	1	CVM

Acceptance into the program requires a successful application, which includes an evaluation by the MPR Department and a GPA of 3.0 or higher. For more information on the admissions requirements for the MPR minor, please see the Admissions section of the Catalog.

Students enrolled in the MPR minor must be prepared with the required equipment and technology. Please see the list of requirements for MPR located on pages 44, 79, 103, or 130.

Minor in Songwriting

The minor in Songwriting offers practical hands-on instruction in the techniques of writing and performing your own original works, the technology to produce your songs, and critical studies in relevant repertoires. You will have opportunities to interact with established songwriters and to have your work showcased in public performances.

SONGWRITING MINOR

CODE	COURSE	CREDITS
COMP-100	Songwriting 1	1.5
COMP-101	Songwriting 2	1.5
COMP-102	Advanced Songwriting 1	1.5
COMP-220	Lyric Writing	2
COMP-200	Co-writing 1	2
COMP-201	Co-writing 2	2
COMP-104	Guitar Accompaniment 1	1.5
COMP-113	Guitar Vocal Showcase	1.5
COMP-114	Small Band Showcase	1.5
COMP-214	Collaborative Showcase	1.5
COMP-215	Industry Showcase	1.5
COMP-315	Songwriting Demo Production	2
COMP-208	Music Business Practicum 1	2.5
		Total Credits: 22.5

NOTE: The courses below are required for students in Vocal Performance, Composing for Visual Media, Music Producing & Recording, and Music Business programs. The courses replace credits from the minor that are already part of the programs' Bachelor curriculum.

COMP-200	Co-Writing 1	2	V, CVM, MB
COMP-201	Co-Writing 2	2	V, CVM, MB
COMP-210	Master Class 2	0.5	V
COMP-215	Industry Showcase	1.5	MPR

Acceptance into the program requires a successful application, which includes an evaluation by the Songwriting Department and a GPA of 3.0 or higher. For more information on the admissions requirements for the Songwriting minor, please see the Admissions section of the Catalog.

Students enrolled in the Songwriting minor must be prepared with the required equipment and techology. Please see the list of requirements for Songwriting located on pages 52, 85, 108, or 137.

Minor in Music Business

The Music Business minor offers an opportunity for students to explore the record business, music publishing, artist management and more. For performers, composers, songwriters and producers, it provides practical knowledge in protecting artist rights, maximizing business opportunities, and understanding the dollars and cents of the music business.

MUSIC BUSINESS MINOR

CODE	COURSE	CREDITS
IND-100	Music Industry Studies 1	2
IND-109	Music Industry Studies 2	2
IND-101	Building the Artists Team	2
IND-103	Promotion Concepts & Tools	1
IND-102	Music Marketing Foundations	2
IND-104	History of the Digital Revolution 1	2
IND-105	History of the Digital Revolution 2	2
IND-106	A&R Strategies	2
IND-107	Brand Development & Partnership	1
IND-110	Social Media Branding	2
IND-111	Music Business Law & Contracts	2
IND-112	Music Licensing 1	2
		Total Credits: 22

NOTE: The courses below are required for students in Performance programs. The courses replace credits from the minor that are already part of the programs' Bachelor curriculum.

IND-113	Music Publishing 1	2	B, BWW, D
IND-204	Digital Distribution	2	B, BWW, D, G, KB, V
IND-206	Creating Artist Pitch Materials	2	B, BWW, D, G, KB, V

Acceptance into the program requires a successful application, which includes an evaluation by the Music Business Department and a GPA of 2.0 or higher. For more information on the admissions requirements for the MPR minor, please see the Admissions section of the Catalog.

Students enrolled in the Music Business minor must be prepared with the required equipment and techology. Please see the list of requirements for Music Business located on pages 56, 88, or 140.

ASSOCIATE OF ARTS IN **MUSIC PRODUCING & RECORDING**

The role of the producer varies from project to project, ranging from "lending a trusted pair of additional ears," to that of a "hands-on factotum," involved in every single aspect of a musical work. The range of skills to be acquired is therefore necessarily wide. The Music Producing and Recording program at LACM is designed to provide students a comprehensive education that will accomplish the following learning outcomes for its graduates.

PROGRAM LEARNING OUTCOMES

Program Learning Outcomes reflect the mission of the academic programs of the institution and address the acquisition of performance proficiency, specific professional knowledge and academic merit.

Associate of Arts
AA PLO 1: Performance Proficiency
Students will be able to demonstrate a suitable level of performance proficiency on their major instrument.

AA PLO 2: Professional Knowledge
Students will be able to demonstrate a general professional knowledge and skills in the language, technology, creative activity, and business practice of their concentrated field of study.

AA PLO 3: Critical Thinking
Students will be able to demonstrate the ability to critically analyze and solve problems that are characteristic in the study of music.

AA PLO 4: Language of Music Fluency
Students will be able to demonstrate knowledge of the elements of musical structure, and show foundational proficiency in music theory and basic composition.

AA PLO 5: Historical Context
Students will be able to demonstrate academic knowledge in popular music history – its composers, literature, and stylistic connections, from the invention of music genres to their contemporary expansions.

DEPARTMENT LEARNING OUTCOMES

Department Learning Outcomes reflect the mission and learning outcomes of the institution, the academic program and to the acquisition of skills that are specific to a concentrated field of study.

MPR DLO 1: Technical Proficiency
Students will be able to demonstrate technical expertise in recording studio techniques including proficiency in operating analog and digital equipment, proper microphone techniques, sound processing techniques, and computer software with an emphasis on Pro Tools™ and its sound processing plug-ins and employing these tools in the process of recording, editing recorded performances, mixing and final delivery.

MPR DLO 2: Producer Leadership Skills
Students will be able to demonstrate creative expertise in the production of music by conceiving recording projects from conception to completion, by practicing awareness of recording session etiquette, diversity and the roles of personnel, by making appropriate technical and artistic choices and by employing leadership skills that guide recording sessions toward positive results.

MPR DLO 3: Foundational Music
Students will be able to demonstrate knowledge and proficiency in music theory, contemporary music history, and conducting.

MPR DLO 4: Performance Proficiency
Students will be able to demonstrate basic performance proficiency in keyboard, drums, guitar and bass guitar in order to understand and communicate effectively with musicians in the recording studio.

MPR DLO 5: Proficiency in Arranging for Ensemble
Students will be able to demonstrate the ability to read musical scores, arrange and write parts for ensembles and guide rehearsals and performances.

MPR DLO 6: Professional Business Practices
Students will be able to demonstrate knowledge and competency in music industry business practices including marketing and promotion, budgeting and contracts, publishing, and entrepreneurship.

ASSOCIATE OF ARTS - DEGREE PACING
90 Credits

QUARTER 1

CODE	COURSE	CREDITS
MUS-100	Theory/Ear Training 1	2
MUS-101	Keyboard Skills 1	1
PROD-115	Drums for Producers	1
PROD-1000	Pro Tools 101	3
PROD-113	Intro to Signal Processing	3
PROD-120	Production Styles & Genres	2
PROD-133	Sound and Signals	1
PROD-114	Drums Private Lesson	2
		Total Credits: 15

QUARTER 2

CODE	COURSE	CREDITS
MUS-302	Music History: Middle Ages to 19th Century	2
MUS-102	Theory/Ear Training 2	2
MUS-103	Keyboard Skills 2	1
PROD-122	Strings for Producers 1 (Guitar)	1
PROD-1001	Pro Tools 110	3
PROD-107	MIDI Production 1	2
PROD-117	Microphone Technology & Technique	2
PROD-121	Producer's Survival Skills	2
PROD-126	Strings Private Lesson (Guitar)	2
		Total Credits: 17

QUARTER 3

CODE	COURSE	CREDITS
MUS-303	Music History: 19th Century - 20th Century	2
MUS-220	Theory/Ear Training 3	2
MUS-221	Keyboard Skills 3	1
PROD-132	Strings for Producers 2 (Bass)	1
PROD-118	MIDI Production 2	2
PROD-125	Engineering for Producers 1	3
PROD-116	Advanced Signal Processing	3
PROD-136	Strings Private Lesson (Bass)	2
		Total Credits: 16

QUARTER 4

CODE	COURSE	CREDITS
PROD-218	History of Production 1	2
MUS-290	Theory/Ear Training 4	2
MUS-291	Keyboard Skills 4	1
PROD-123	Vocals for Producers	1
PROD-314	Pro Tools 201	3
PROD-216	Engineering for Producers 2	3
PROD-217	Fundamentals of Synthesis	2
PROD-124	Vocal Private Lesson	2
		Total Credits: 16

QUARTER 5

CODE	COURSE	CREDITS
PROD-219	History of Production 2	2
COMP-207	Music Business for Songwriters 1	2
PROD-315	Pro Tools 210	3
PROD-223	Law of Parts: Arranging for Producers	1
PROD-226	Producing Other People 1	3
PROD-220	Private Lesson 1	2
		Total Credits: 13

QUARTER 6

CODE	COURSE	CREDITS
COMP-100	Songwriting 1	1.5
COMP-208	Music Business for Songwriters 2	2
PROD-119	Performance Editing	2
PROD-214	Introduction to DJ Techniques	1.5
PROD-227	Producing Other People 2	3
PROD-221	Private Lesson 2	2
PROD-229	AA Project (MPR Majors)	1
		Total Credits: 13

Required Equipment & Technology
Music Producing & Recording

Computer
- Required minimum: MacBook Pro (iOS 10.14.6 or later)
  - *Estimated cost: $599.00 used, $1299.00 new*
- Required minimum: 1TB external storage
  - Estimated cost: *$45.00 (1TB), $170.00 (1TB ssd), $299.00 (2TB ssd)*

Software
- Required minimum: Sibelius
  - *Estimated cost: $9.99/month (education pricing)*
- Required minimum: Logic Pro X
  - *Estimated cost: $199.00 (education buncle, 5 months)*
- Required minimum: Pro Tools
  - *Estimated cost: $9.99/month (education pricing)*

USB Audio Interface
- Required minimum: Single iutput interface (Focusrite Scarlett solo)
  - *Estimated cost: $109.99*
- Double input interface (Focusrite Scarlett 2i2 or MOTU M2) *(optional)*
  - *Estimated cost: $159.99*

MIDI Keyboard
- Required minimum: 61 keys and sustain pedal (76 keys preferred)
  - *Estimated cost: $177.00 (61 keys), $269 (76 keys)*

Headphones
- Required minimum: Wired, over ear (AKG K240 or comparable)
  - *Estimated cost: $69.00 (AKG K240)*

Microphone
- Required minimum: Shure SM58 (or comparable)
  - *Estimated cost: $99.00*
- Required minimum: Mic Stand
  - *Estimated cost: $25.00*
- Required minimum: XLR Cable
  - *Estimated cost: $19.00+*
- Required minimum: Pop Filter
  - *Estimated cost: $13.00 - $35.00*

Other
- Required minimum: Printer
  - *Estimated cost: $44.00+*
- Required minimum: Thumb drive for back up (at least 32GB)
  - *Estimated cost: $5.00 (32GB) - $18.00 (128GB)*
- Required minimum: Staff paper, pen, pecil, eraser

Tech Requirements & Recommendations for Incoming MPR Students:

Student must own a personal license of Pro Tools software. Ownership will be verified.
1. If a student wishes to wait with the purchase of the software until officially enrolled at LACM—in order to benefit from the substantial price reduction afforded by Avid's Academic pricing—the purchase must be completed by the end of week 2. (Please note that Pro Tools first is NOT an acceptable version of Pro Tools, as its limitations are substantial.)

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DIPLOMA IN
MUSIC PRODUCING & RECORDING

The role of the producer varies from project to project, ranging from "lending a trusted pair of additional ears," to that of a "hands-on factotum," involved in every single aspect of a musical work. The range of skills to be acquired is therefore necessarily wide. The Music Producing and Recording program at LACM is designed to provide students a comprehensive education that will accomplish the following learning outcomes for its graduates.

PROGRAM LEARNING OUTCOMES

Program Learning Outcomes reflect the mission of the academic programs of the institution and address the acquisition of performance proficiency, specific professional knowledge and academic merit.

Diploma
DP PLO 1: Performance Proficiency
Students will be able to demonstrate a suitable level of performance proficiency on their major instrument.

DP PLO 2: Professional Knowledge
Students will be able to demonstrate a general professional knowledge and skills in the language, technology, creative activity, and business practice of their concentrated field of study.

DP PLO 3: Critical Thinking
Students will be able to demonstrate the ability to critically analyze and solve problems that are characteristic in the study of music.

DP PLO 4: Language of Music Fluency
Students will be able to demonstrate knowledge of the elements of musical structure, and show foundational proficiency in music theory and basic composition.

DP PLO 5: Historical Context
Students will be able to demonstrate academic knowledge in popular music history – its composers, literature, and stylistic connections, from the invention of music genres to their contemporary expansions.

DEPARTMENT LEARNING OUTCOMES

Department Learning Outcomes reflect the mission and learning outcomes of the institution, the academic program and to the acquisition of skills that are specific to a concentrated field of study.

MPR DLO 1: Technical Proficiency
Students will be able to demonstrate technical expertise in recording studio techniques including proficiency in operating analog and digital equipment, proper microphone techniques, sound processing techniques, and computer software with an emphasis on Pro Tools™ and its sound processing plug-ins and employing these tools in the process of recording, editing recorded performances, mixing and final delivery.

MPR DLO 2: Producer Leadership Skills
Students will be able to demonstrate creative expertise in the production of music by conceiving recording projects from conception to completion, by practicing awareness of recording session etiquette, diversity and the roles of personnel, by making appropriate technical and artistic choices and by employing leadership skills that guide recording sessions toward positive results.

MPR DLO 3: Foundational Music
Students will be able to demonstrate knowledge and proficiency in music theory, contemporary music history, and conducting.

MPR DLO 4: Performance Proficiency
Students will be able to demonstrate basic performance proficiency in keyboard, drums, guitar and bass guitar in order to understand and communicate effectively with musicians in the recording studio.

MPR DLO 5: Proficiency in Arranging for Ensemble
Students will be able to demonstrate the ability to read musical scores, arrange and write parts for ensembles and guide rehearsals and performances.

MPR DLO 6: Professional Business Practices
Students will be able to demonstrate knowledge and competency in music industry business practices including marketing and promotion, budgeting and contracts, publishing, and entrepreneurship.

DIPLOMA - DEGREE PACING
60 Credits

QUARTER 1

CODE	COURSE	CREDITS
MUS-100	Theory/Ear Training 1	2
MUS-101	Keyboard Skills 1	1
PROD-115	Drums for Producers	1
PROD-1000	Pro Tools 101	3
PROD-113	Intro to Signal Processing	3
PROD-120	Production Styles & Genres	2
PROD-133	Sound and Signals	1
PROD-114	Drums Private Lesson	2
		Total Credits: 15

QUARTER 2

CODE	COURSE	CREDITS
MUS-102	Theory/Ear Training 2	2
MUS-103	Keyboard Skills 2	1
PROD-122	Strings for Producers 1 (Guitar)	1
PROD-1001	Pro Tools 110	3
PROD-107	MIDI Production 1	2
PROD-117	Microphone Technology & Technique	2
PROD-121	Producer's Survival Skills	2
PROD-126	Strings Private Lesson (Guitar)	2
		Total Credits: 15

QUARTER 3

CODE	COURSE	CREDITS
MUS-220	Theory/Ear Training 3	2
MUS-221	Keyboard Skills 3	1
PROD-132	Strings for Producers 2 (Bass)	1
PROD-118	MIDI Production 2	2
PROD-125	Engineering for Producers 1	3
PROD-116	Advanced Signal Processing	3
PROD-136	Strings Private Lesson (Bass)	2
		Total Credits: 14

QUARTER 4

CODE	COURSE	CREDITS
PROD-218	History of Production 1	2
MUS-290	Theory/Ear Training 4	2
MUS-291	Keyboard Skills 4	1
PROD-123	Vocals for Producers	1
PROD-314	Pro Tools 201	3
PROD-216	Engineering for Producers 2	3
PROD-217	Fundamentals of Synthesis	2
PROD-124	Vocal Private Lesson	2
		Total Credits: 16

Required Equipment & Technology
Music Producing & Recording

Computer
- Required minimum: MacBook Pro (iOS 10.14.6 or later)
  - *Estimated cost: $599.00 used, $1299.00 new*
- Required minimum: 1TB external storage
  - Estimated cost: *$45.00 (1TB), $170.00 (1TB ssd), $299.00 (2TB ssd)*

Software
- Required minimum: Sibelius
  - *Estimated cost: $9.99/month (education pricing)*
- Required minimum: Logic Pro X
  - *Estimated cost: $199.00 (education buncle, 5 months)*
- Required minimum: Pro Tools
  - *Estimated cost: $9.99/month (education pricing)*

USB Audio Interface
- Required minimum: Single iutput interface (Focusrite Scarlett solo)
  - *Estimated cost: $109.99*
- Double input interface (Focusrite Scarlett 2i2 or MOTU M2) *(optional)*
  - *Estimated cost: $159.99*

MIDI Keyboard
- Required minimum: 61 keys and sustain pedal (76 keys preferred)
  - *Estimated cost: $177.00 (61 keys), $269 (76 keys)*

Headphones
- Required minimum: Wired, over ear (AKG K240 or comparable)
  - *Estimated cost: $69.00 (AKG K240)*

Microphone
- Required minimum: Shure SM58 (or comparable)
  - *Estimated cost: $99.00*
- Required minimum: Mic Stand
  - *Estimated cost: $25.00*
- Required minimum: XLR Cable
  - *Estimated cost: $19.00+*
- Required minimum: Pop Filter
  - *Estimated cost: $13.00 - $35.00*

Other
- Required minimum: Printer
  - *Estimated cost: $44.00+*
- Required minimum: Thumb drive for back up (at least 32GB)
  - *Estimated cost: $5.00 (32GB) - $18.00 (128GB)*
- Required minimum: Staff paper, pen, pecil, eraser

Tech Requirements & Recommendations for Incoming MPR Students:

Student must own a personal license of Pro Tools software. Ownership will be verified.
1. If a student wishes to wait with the purchase of the software until officially enrolled at LACM—in order to benefit from the substantial price reduction afforded by Avid's Academic pricing—the purchase must be completed by the end of week 2. (Please note that Pro

Tools first is NOT an acceptable version of Pro Tools, as its limitations are substantial.)

Since ownership of Pro Tools software is mandatory, it follows that students must own a computer.

1. We strongly recommend computers made by Apple. Mac Pro, iMac, and MacBook Pro are all acceptable and recommended solutions. A vast majority of professionals in the audio world use Apple computers with Pro Tools (as well as many other DAW solutions). (When needed, it will be a lot easier to get help from fellow students and/or professionals.) While Pro Tools will run successfully on PCs, there are too many variables to offer recommendations. All students should visit Avid.com, and ensure that their computer meets the minimum requirements to successfully operate Pro Tools.

2. Buy the best computer you can afford, even if it seems overkill today. This will go a long way in ensuring your system's ability to handle complex productions, and will also improve reliability. Furthermore, the computer will most likely remain within the minimums required by Avid for a longer period in the future. We recommend a minimum of 16 GB of RAM, and a 512 GB of internal storage (SSD drive) Laptop or desktop. Either is fine. Desktop performance, connectivity & expansion options are usually slightly better than those offered by laptop computers.

3. Since it is not advisable to keep Pro Tools sessions on a computer's (internal) startup drive, we strongly advise the purchase of the following:

   • 1x Portable 1GB external SSD drive. Use this to store all projects, and to transfer work to and from campus.
   • 1x 2GB (more—or multiple—is better) External Hard drive for backup of data. Additional drives recommended for long-term storage/archiving purposes.
   • If student owns large sample libraries, it is advisble to store those on a fast (SSD) dedicated, external drive.
   • All drives should feature USB 3 interfaces. Drives with Thunderbolt interface are OK (even desireable), but student must also acquire a Thunderbolt-to-USB adapter cable.

Ownership of a good pair of "closed back" headphones is mandatory. These are required for work in labs.

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